

DESIGN TECHNOLOGY

In Year 9, pupils will complete short focused tasks in each of the five material areas plus two additional areas to ensure complete coverage of the National Curriculum. The projects are currently under review and the order of completion will vary from one group to another due to the rotational delivery model.

1. Computer Aided Design and Manufacture

Activity:

- Design and make an acrylic flower vase using the laser cutter

Likely homework tasks:

- Scale drawing
- Complete an isometric drawing of final idea
- 3D model in card
- Manufacture plan.



2. Food

Activity:

- Design and make range of dishes which reflect a different country or culture

Likely homework tasks:

- Research into existing products and recipes
- Market research
- Recipe development
- Costings exercise
- Sensory evaluation.



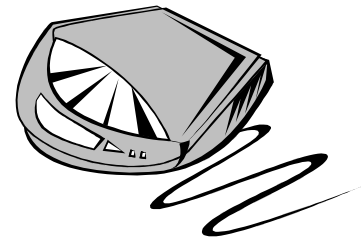
3. Graphics

Activity:

- Design and make a CD sleeve. A creative multi-media project combining graphic techniques with 'Photoshop'.

Likely homework tasks:

- Mood board/research
- Final design
- 3D 'Point of Sale' display drawing
- Making flowchart
- Final evaluation.



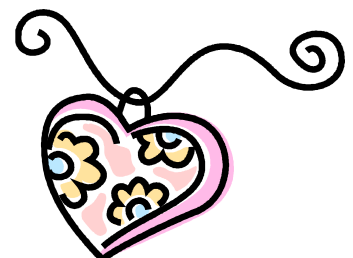
4. Resistant Materials

Activity:

- Design and make an item of silver wire jewellery and a jewellery stand in any material (wood, metal or plastic)

Likely homework tasks:

- Research into existing wire jewellery
- Design final idea for jewellery
- Complete a step by step guide on how to make the wire jewellery
- Evaluate silver wire jewellery
- Design a stand for the jewellery.



5. Textiles

Activity:

- Design and make a bag using some recycled materials and a range of techniques including appliqué

Likely homework tasks:

- Collect research
- Draw final design for bag
- Mount and evaluate samples
- Plan the making of the bag
- Evaluate project.



Useful, but not essential support materials:

Books:

- Reference books and magazines to support research into the themes mentioned
- Recipe books – to review existing products
- 'Starting CDT' textbook – available in school
- Old catalogues e.g. Argos, Index
- D&T information booklet provided by school and available on school intranet.

Computer programs:

- Internet and CD ROM – for research ideas
- Page Plus or Publisher – Desk Top Publishing programmes for manipulating graphics on packaging outlines
- 2-D Design V2
- 'Photoshop'